



***SMC/XR
VISION:
GSAW 2006***

29 Mar 2006



Overview

- **SMC/XR for the Future**
 - Vision
 - Mission
- **Developmental Planning Process**
- **Requirements & Integration Process**
- **SMC S&T Council**
- **Demonstration/Acquisition Business Model**



XR Vision & Mission

Vision:

- **Re-establish SMC/XR as the recognized center of military space development, planning, integrated analysis, and systems acquisition excellence**

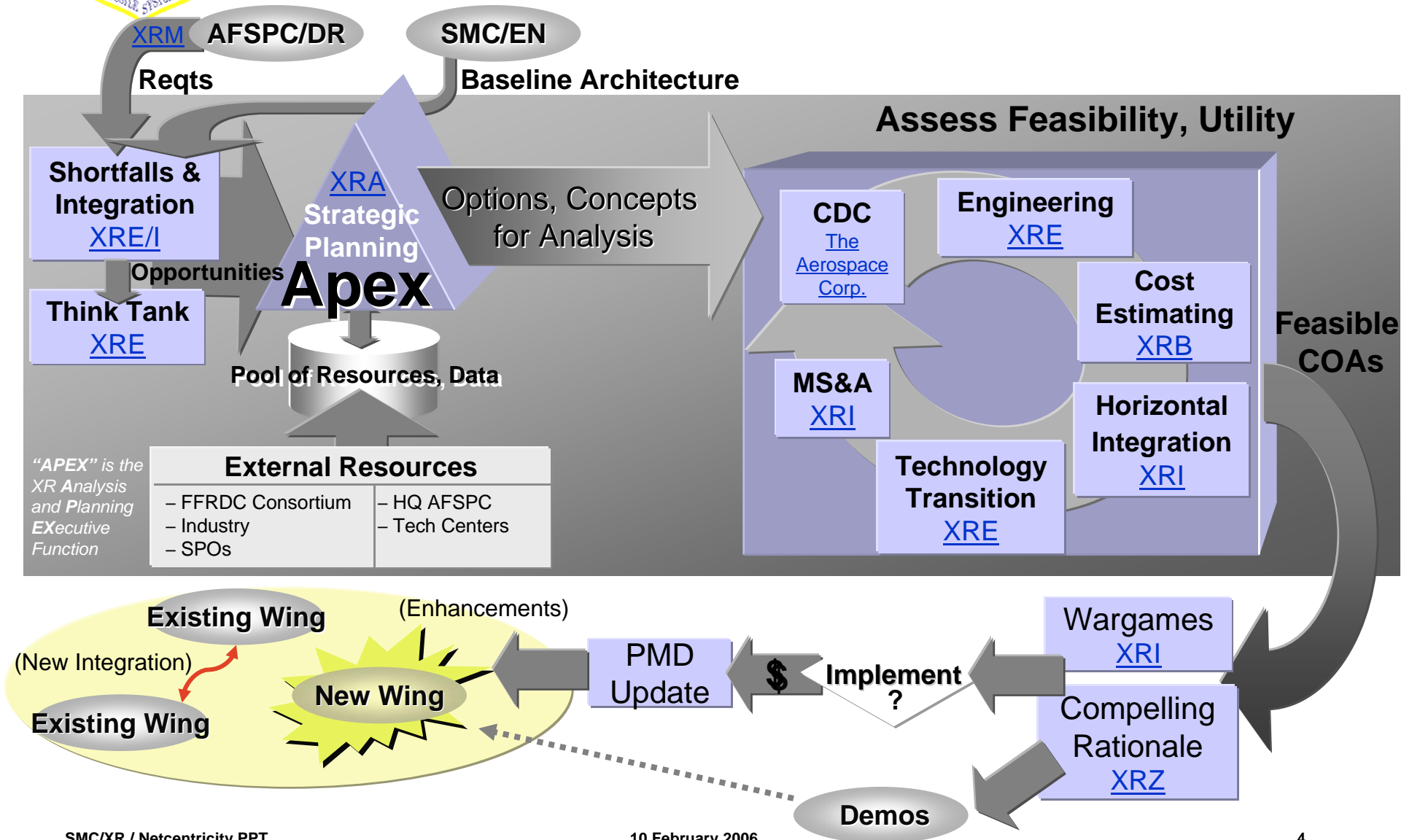
Mission:

- **To efficiently define, develop, and demonstrate innovative Military Space capabilities through a performance based, expert culture conducting integrated developmental planning, rapid technology maturation and streamlined space development**

***ENSURE THE RIGHT PROGRAMS GET STARTED
“RIGHT”***

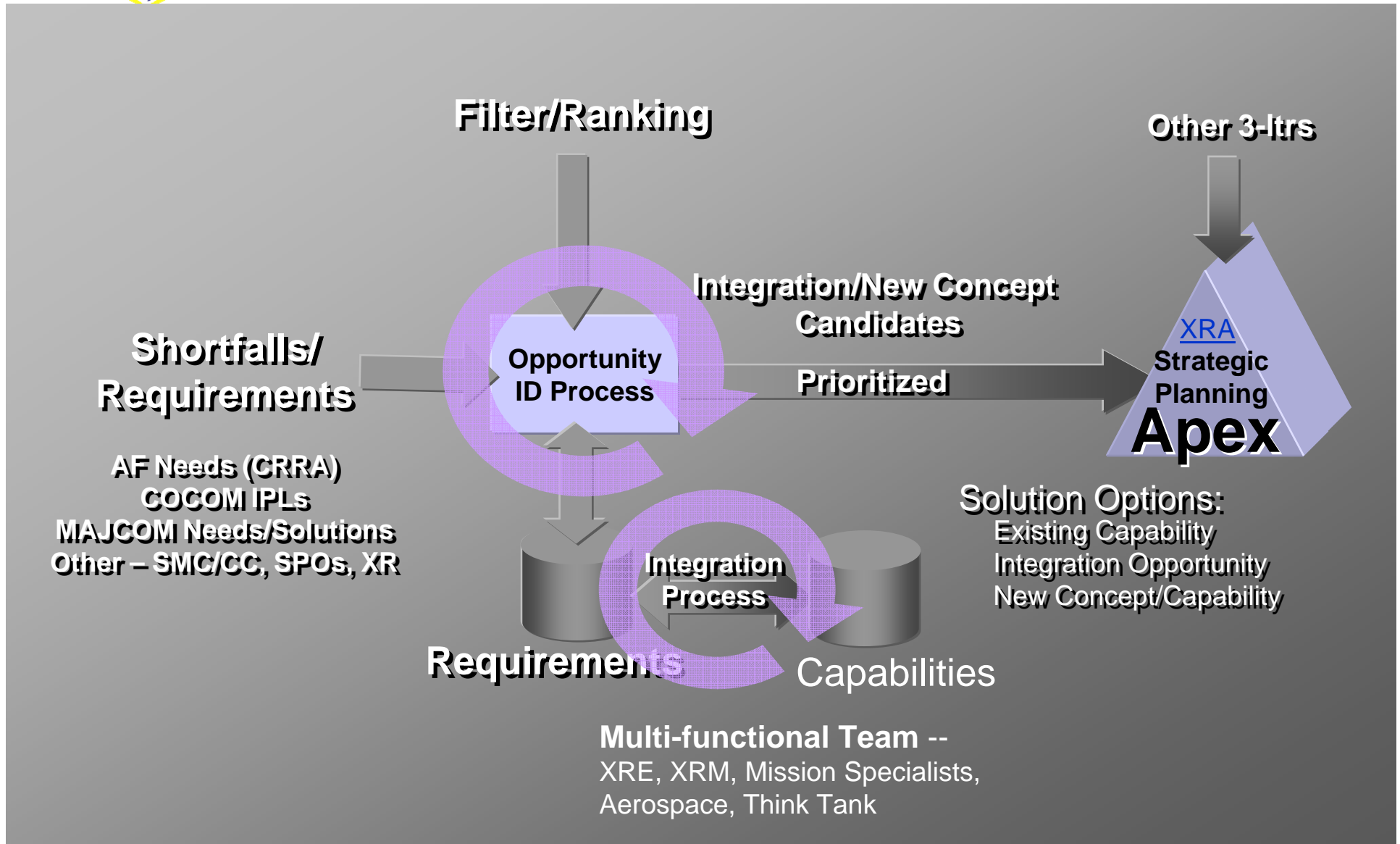


SMC/XR Developmental Planning Process



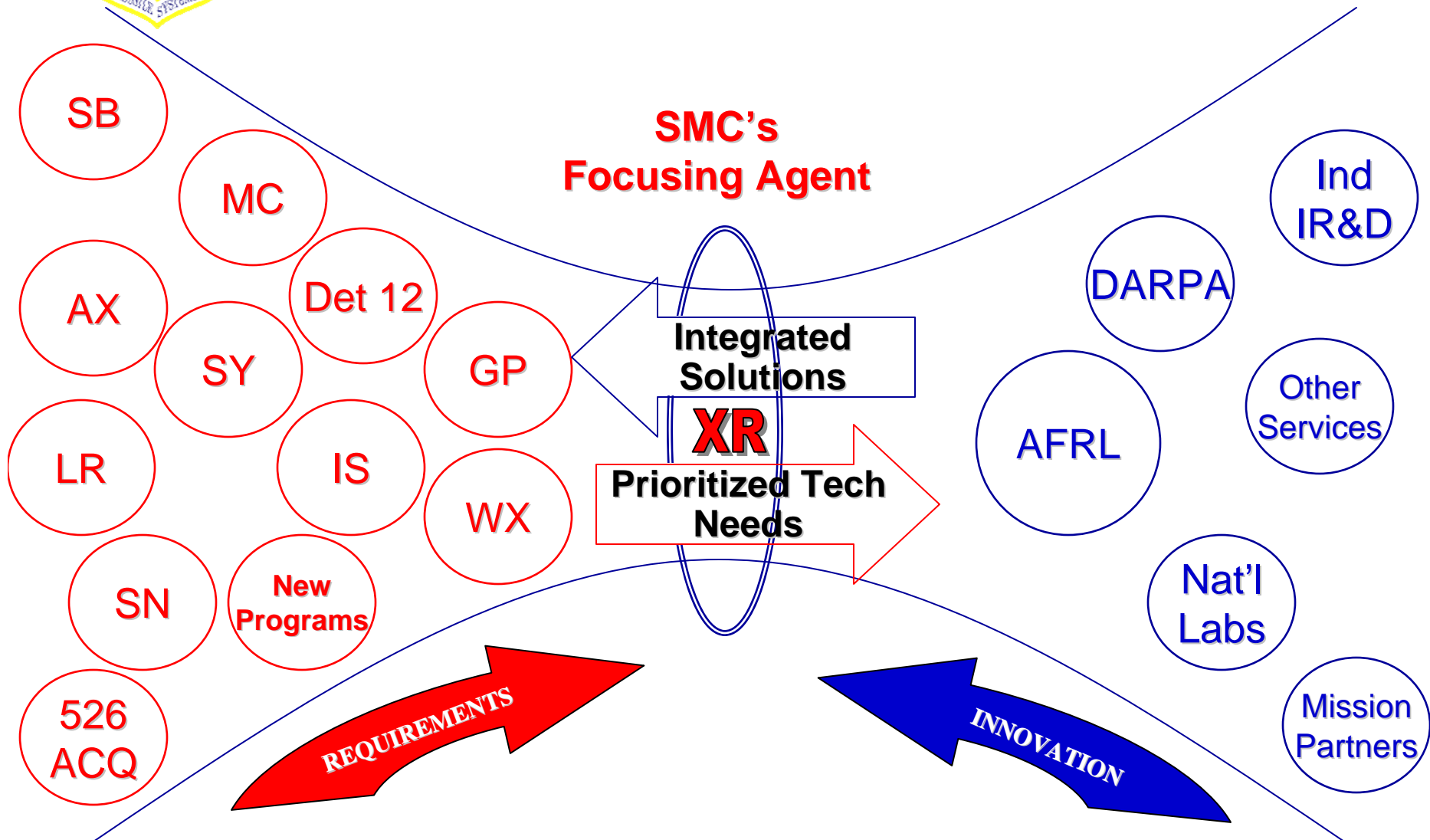


Requirements & Integration Analysis (XRI)



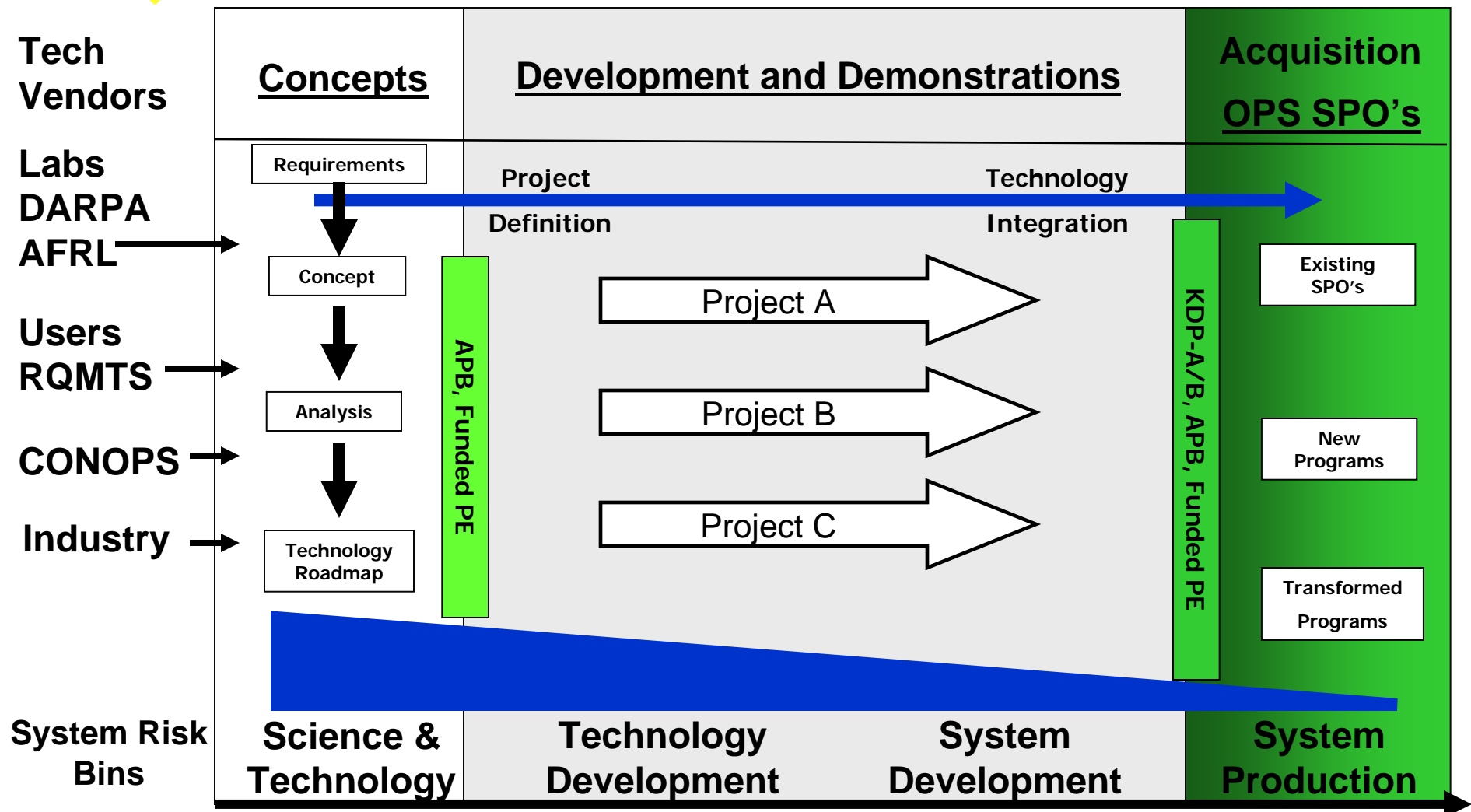


SMC S&T Council





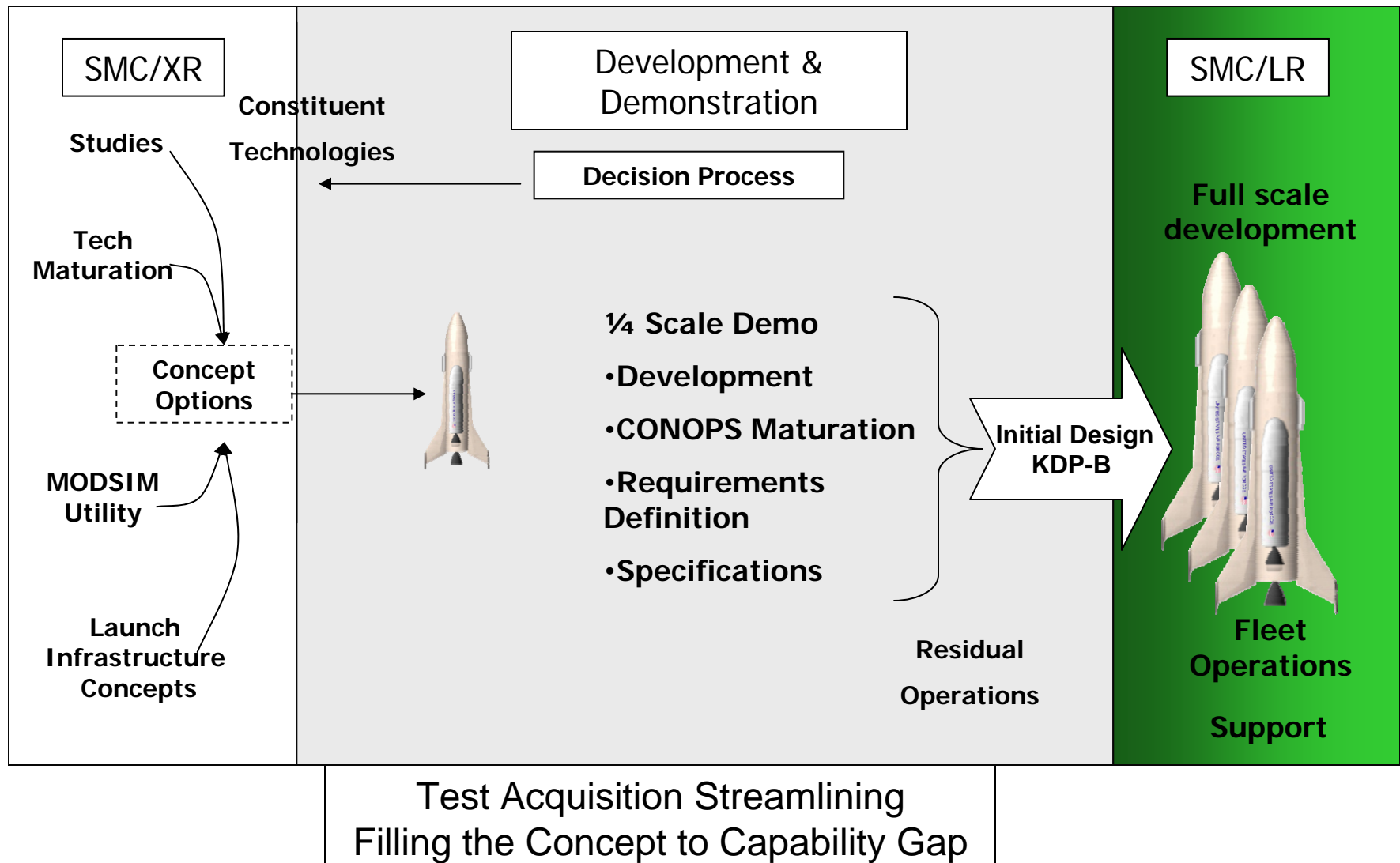
Developmental Planning Demo/Acquisition “Business Model”



SMC Innovation Engine: Filling the Concept to Capability Gap



ARES Exemplar





Focused Innovation

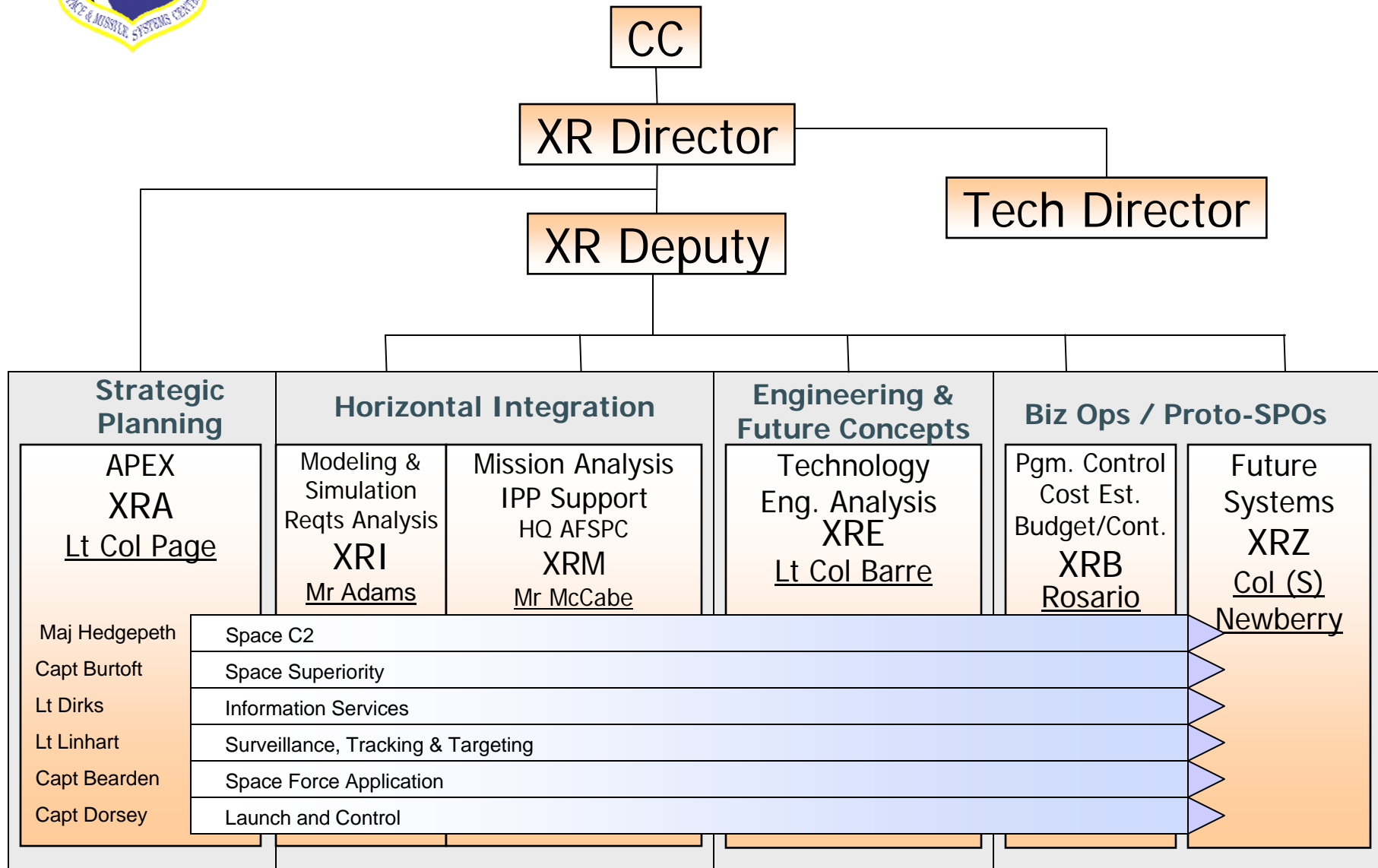
- **SMC XR – Build the “Right” System**
- **SMC – Build the System “Right”**



Back-Up Charts



XR Organizational Structure





Strategic Planning - APEX

- **Steer future capabilities via a dedicated strategic developmental planning function to mature concept development/assessment**
- **Understand trends/anticipate needs from systematic study of Service Doctrine/National Military Strategy/other needs**
- **APEX Products**
 - **P-ISR Study for Integrated Summit**
 - **AFDD Review:**
 - **Command and Control**
 - **ISR**
 - **Homeland Defense Point Paper for AFSPC**
 - **Special Projects Organization Initiation**
 - **14 individual studies/analysis efforts underway**



Strategic Planning Projects

Near Term Strategic Planning Projects (CC Priorities)

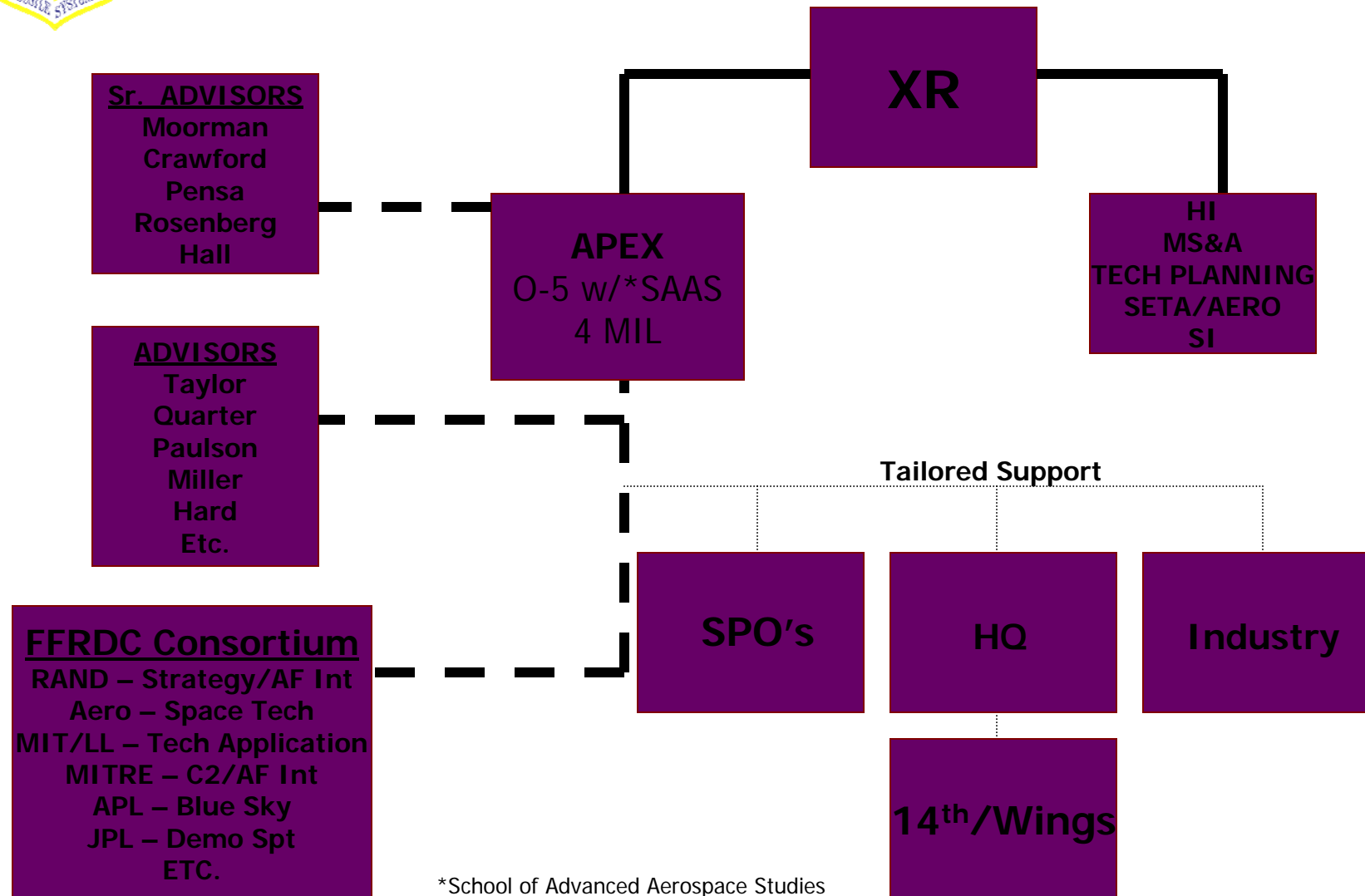
- 1) Long Term Range Plan
 - 1) Environmental impacts, long term SLC organization based on type of launch activity
- 2) Develop business case concept for common booster/subsystems for ARES/FALCON/CBM/LBSD
 - Define cost benefit for various standard integration levels of ORS satellite
- 3) CBM/LBSD/CAV Strategic Vision and Implementation Plan
 - Provide Performance Analysis of CAV/HTV and Booster Options
- 4) Alternative IR Space System (AIRSS) Study/Program
- 5) Responsive Space Strategic Vision and Master Plan (ORS)
 - Define USAF-Specific support needs for operational TacSat missions

Other XR Priorities

- 1) Command and Control Proto-SPO
 - Expand SY C2 architecture activities to overall space portfolio (Classified)
 - Develop integrated C2/ISR/ORS Support Architecture for CBM
 - Define tomorrow's JSPOC alternatives and necessary weapon system interfaces
 - Develop alternatives to deck-based, fixed point Reconnaissance tasking strategy — Pursue RSTA
- 2) Develop a command wide standard modeling/simulation metrics/validation /responsibility plan
- 3) Specific B/W integration/interface needs in support of expeditionary warfare at I/F levels
- 4) BF Situational Awareness master plan concept
- 5) ID first responder space applications for HD
- 6) Recommend changes to acquisition policies which allow more responsive space developments
- 7) Define CBRNE and options to support P-ISR (Ph-1 complete)/AF P-ISR Roadmap



APEX Strategic Planning ORG

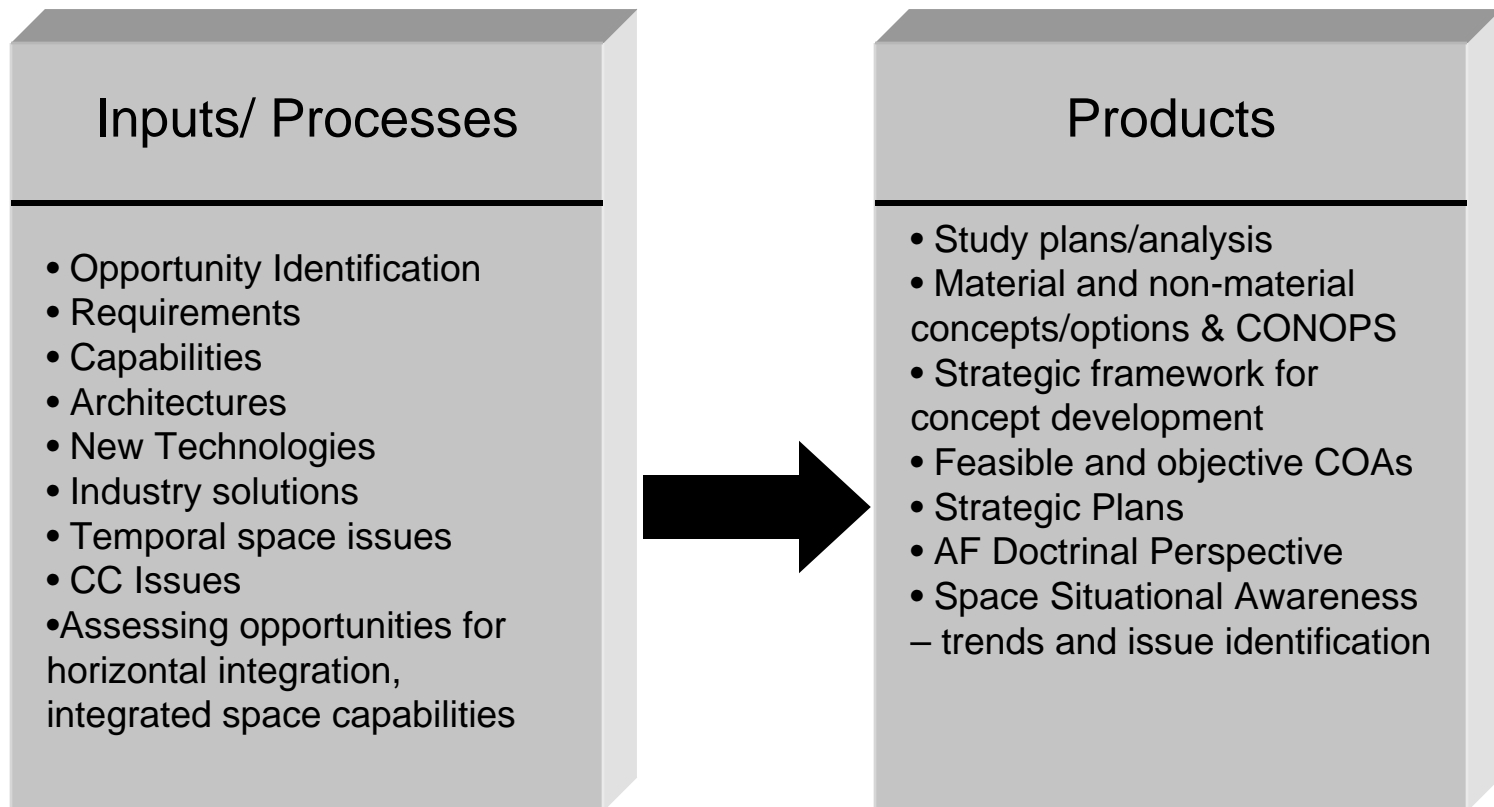


*School of Advanced Aerospace Studies



Strategic Planning Apex (XRA)

Mission: The Strategic Planning Division (APEX) is responsible for strategy, analysis, and planning activities associated with steering future military and national space development.



Resources: AFSPC, SMC/EN, AFMC, CRRA, XR Think Tank, Doctrine, National Military Strategy, Space CONOPS, FFRDC Consortium, Grey Beards, Space Mission Areas



SMC/XR Developmental Planning Process

